

Name _____

Math
Chapter 7
Quiz 7.4-7.7

Find the reciprocal.

1. $\frac{4}{6}$

2. $2\frac{1}{2}$

Find the quotient.

3. $\frac{9}{15} \div \frac{3}{5}$

4. $\frac{2}{5} \div \frac{7}{10}$

5. $\frac{30}{7} \div 6$

6. $12 \div 1\frac{2}{3}$

7. $2\frac{5}{6} \div \frac{15}{16}$

8. $3\frac{9}{14} \div 2\frac{1}{4}$

9. How can you share $\frac{4}{5}$ of a pizza with 4 people equally?

Choose an appropriate customary unit.

10. capacity of a water glass _____

11. capacity of pool _____

12. weight of a lamb _____

13. weight of feather _____

Complete the statement.

14. 6 pints = _____ cups

15. $2\frac{1}{2}$ mi = _____ ft

16. 45 in = _____ ft

17. 24 fl oz = _____ cups

Name _____

Math
Chapter 7
Quiz 7.4-7.7

Find the reciprocal.

1. $\frac{4}{6}$ $\frac{6}{4}$ 2. $2\frac{1}{2}$ $\frac{5}{2} = \frac{2}{5}$

Find the quotient.

3. $\frac{9}{15} \div \frac{3}{5} = \frac{9}{15} \times \frac{5}{3} = \frac{9}{9} = 1$
4. $\frac{2}{5} \div \frac{7}{10} = \frac{2}{5} \times \frac{10}{7} = \frac{4}{7}$
5. $\frac{30}{7} \div 6 = \frac{30}{7} \times \frac{1}{6} = \frac{5}{7}$
6. $\frac{12}{1} \div 1\frac{2}{3} = \frac{5}{3}$
 $\frac{12}{1} \times \frac{3}{5} = \frac{36}{5} = 7\frac{1}{5}$
7. $2\frac{5}{6} \div \frac{15}{16} = \frac{17}{6} \times \frac{16}{15} = \frac{136}{45} = 3\frac{1}{45}$
8. $3\frac{19}{14} \div 2\frac{1}{4} = \frac{55}{7} \times \frac{4}{9} = \frac{34}{9} = 3\frac{8}{9}$

9. How can you share $\frac{4}{5}$ of a pizza with 4 people equally?

$$\frac{4}{5} \div \frac{1}{4} = \frac{4}{5} \times \frac{4}{1} = \frac{16}{5}$$

Choose an appropriate customary unit.

10. capacity of a water glass fl oz 11. capacity of pool gal
12. weight of a lamb pounds 13. weight of feather oz

Complete the statement.

14. 6 pints = 12 cups 15. $2\frac{1}{2}$ mi = 13200 ft
16. 45 in = $3\frac{3}{4}$ ft
 $\frac{45 \text{ in}}{12 \text{ in}} = \frac{45}{12} = 3\frac{9}{12} = 3\frac{3}{4}$
17. 24 fl oz = 3 cups
 $\frac{24 \text{ fl oz}}{8 \text{ fl oz}} = \frac{24}{8} = 3$

Name _____

Math
Chapter 7
Test

Find the product. Simplify if possible.

1. $\frac{2}{7} \times \frac{14}{15}$

2. $3 \times 2\frac{2}{3}$

3. $1\frac{7}{9} \times 3\frac{3}{5}$

4. $5 \times \frac{7}{8}$

5. $3\frac{1}{8} \times 2\frac{3}{5}$

6. $\frac{3}{8} \times \frac{4}{9}$

Find the amount.

7. In a box of 32 crayons, $\frac{3}{8}$ are broken. How many are broken? _____

Evaluate the expression.

8. $\frac{1}{6}x$, when $x = \frac{2}{3}$

Write the reciprocal.

9. $\frac{3}{8}$

10. $2\frac{1}{8}$

Find the quotient. Simplify if possible.

11. $\frac{3}{8} \div \frac{15}{16}$

12. $2\frac{2}{5} \div 1\frac{1}{3}$

13. $1\frac{1}{6} \div 14$

14. $7 \div \frac{1}{4}$

15. $\frac{2}{3} \div \frac{4}{15}$

16. $3\frac{2}{3} \div 2\frac{1}{6}$

Complete the statement using the most appropriate customary unit.

17. The capacity of an eye dropper is 1 _____.

18. The weight of a textbook is 3 _____.

19. The amount of water a bucket can hold is $1\frac{1}{2}$ _____.

Complete the statement.

20. 5 yd = _____ ft

21. 6 pt = _____ c

22. 4 T = _____ lb

Change the measurement to the specified unit.

23. 30 fl oz = _____ c

24. 27 in = _____ ft

25. $2\frac{1}{3}$ mi = _____ ft

Find the sum or difference.

$$\begin{array}{r} 26. \text{ 3 lb 8 oz} \\ + 7 \text{ lb 9 oz} \\ \hline \end{array}$$

$$\begin{array}{r} 27. \text{ 4 qt} \\ - 2 \text{ qt 1 pt} \\ \hline \end{array}$$

Solve.

28. One week you spent a total of 5 evenings cutting grass after school. You cut grass a total of $8\frac{1}{2}$ hours. You worked an equal amount of time each evening. How long did you work each evening?

29. You buy a 30 pound bag of puppy food. If your puppy eats $\frac{3}{4}$ of a cup every day, how many days will the food last?

*Bonus

$$\begin{array}{r} 1. \text{ 8 ft 3 in} \\ - 5 \text{ ft 7 in} \\ \hline \end{array}$$

$$2. \frac{2x}{y} \quad y = 2\frac{1}{2} \quad x = \frac{5}{8}$$

Name Key

Math
Chapter 7
Test

Find the product. Simplify if possible.

1. $\frac{2}{15} \times \frac{14}{15}$

1 $\frac{4}{15}$

2. $3 \times 2\frac{2}{3}$

2 $\frac{2}{1} \times \frac{8}{3}$
 $\frac{16}{3}$

3. $1\frac{7}{9} \times 3\frac{3}{5}$

2 $\frac{16}{9} \times \frac{18}{5}$
 $\frac{32}{5}$ $6\frac{2}{5}$

4. $\frac{5}{1} \times \frac{7}{8}$

1 $\frac{35}{8}$
2 each $4\frac{3}{8}$

5. $3\frac{1}{8} \times 2\frac{3}{5}$

2 $\frac{25}{8} \times \frac{13}{5}$
 $\frac{65}{8}$ $8\frac{1}{8}$

6. $1\frac{1}{8} \times \frac{4}{3}$

1 $\frac{3}{18}$ $\frac{1}{6}$

Find the amount.

2 7. In a box of 32 crayons, $\frac{3}{8}$ are broken. How many are broken?

$\frac{32}{1} \times \frac{3}{8} = 12$

Evaluate the expression.

8. $\frac{1}{6}x$, when $x = \frac{2}{3}$

2 $\frac{1}{6} \times \frac{2}{3} = \frac{1}{9}$

Write the reciprocal.

9. $\frac{3}{8}$

$\frac{8}{3}$

10. $2\frac{1}{8}$

$\frac{17}{8} = \frac{8}{17}$

Find the quotient. Simplify if possible.

11. $\frac{3}{8} \div \frac{15}{16}$

2 $\frac{3}{8} \times \frac{16}{15}$
 $\frac{2}{5}$

12. $2\frac{2}{5} \div 1\frac{1}{3}$

2 $\frac{12}{5} \times \frac{3}{4}$
 $\frac{9}{5}$ $1\frac{4}{5}$

13. $1\frac{1}{6} \div 14$

2 $\frac{7}{6} \times \frac{1}{14}$
 $\frac{1}{12}$

14. $7 \div \frac{1}{4}$

1 $\frac{7}{1} \times \frac{4}{1}$
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15. $\frac{2}{3} \div \frac{4}{15}$

1 $\frac{2}{3} \times \frac{15}{4}$
 $\frac{5}{2}$ $2\frac{1}{2}$

16. $3\frac{2}{3} \div 2\frac{1}{6}$

2 $\frac{11}{3} \times \frac{6}{13}$
 $\frac{22}{13}$ $1\frac{9}{13}$

Complete the statement using the most appropriate customary unit.

17. The capacity of an eye dropper is 1 fl oz.

18. The weight of a textbook is 3 pounds.

19. The amount of water a bucket can hold is $1\frac{1}{2}$ gal.

Complete the statement.

20. 5 yd = 15 ft

21. 6 pt = 12 c

22. 4 T = 8000 lb

Change the measurement to the specified unit.

23. 30 fl oz = $3\frac{3}{4}$ c

24. 27 in = $2\frac{1}{4}$ ft

25. $2\frac{1}{3}$ mi = 12320 ft

$$\begin{array}{r} 30 \text{ fl oz} \div 1 = 30 \\ 8 \text{ fl oz} = 1 \text{ c} \\ \hline 30 \div 8 = 3\frac{3}{4} \end{array}$$

$$\begin{array}{r} 27 \text{ in} \div 12 = 2\frac{3}{4} \\ 12 \text{ in} = 1 \text{ ft} \\ \hline 27 \div 12 = 2\frac{3}{4} \end{array}$$

$$\begin{array}{r} 2\frac{1}{3} \text{ mi} \times 5280 = 12320 \\ 1 \text{ mi} = 5280 \text{ ft} \\ \hline 2\frac{1}{3} \times 5280 = 12320 \end{array}$$

Find the sum or difference.

26. 3 lb 8 oz

+ 7 lb 9 oz

10 lb 17 oz

11 lb 10 oz

27. $4\frac{3}{4}$ qt 2 pt

- 2 qt 1 pt

1 qt 1 pt

$$\begin{array}{r} 7 \times 5280 = 12320 \\ 3 \times 5280 = 15840 \\ \hline 12320 \end{array}$$

Solve.

28. One week you spent a total of 5 evenings cutting grass after school. You cut grass a total of $8\frac{1}{2}$ hours. You worked an equal amount of time each evening. How long did you work each evening?

$$8\frac{1}{2} \div 5 =$$

$$\frac{17}{2} \times \frac{1}{5} = \frac{17}{10} = 1\frac{7}{10} \text{ hours.}$$

29. You buy a 30 pound bag of puppy food. If your puppy eats $\frac{3}{4}$ of a ^{pound} cup every day, how many days will the food last?

$$30 \div \frac{3}{4}$$

$$\frac{30}{1} \times \frac{4}{3} = \frac{40}{1} = 40 \text{ Days}$$

*Bonus

1. 8 ft 3 in

- 5 ft 7 in

2 ft 8 in

2. $\frac{2x}{y}$

$y = 2\frac{1}{2}$ $x = \frac{5}{8}$

$$\frac{2}{1} \times \frac{5}{8} = \frac{10}{8} = 1\frac{1}{4}$$

$$\frac{10}{8} \div \frac{5}{2} = \frac{10}{8} \times \frac{2}{5} = \frac{20}{40} = \frac{1}{2}$$

$$\frac{10}{8} \div \frac{5}{2} = \frac{20}{40} = \frac{1}{2}$$